

ABSTRACT

A valve for fluids with arrangements of O-rings on the mantle (lateral surface) of the valve stem, which permit the utilization of a variety of geometrical shapes of revolution for the design of the stem. This invention makes possible the reduction of the valve component's manufacturing costs as well as the utilization of the said valve in fluid networks of higher pressures than those possible in traditional valves of this kind. The valve comprises a stem which is a revolution volume and its mantle has at least one perforation with at least two openings, at the same level or at different levels; being said mantle of the stem grooved by one or more furrows which lodge respective O-rings, being the said grooves of a closed loop geometry that surrounds the said mantle so that each groove passes at least over one opening of the perforation or over one virtual opening enclosed between two real openings of the same level of the said perforation.